

Data Supporting: Optimizing LoRaWAN Throughput in Maritime Environments through ACM under Rayleigh Fading

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Abstract

This dataset supports the article “Optimizing LoRaWAN Throughput in Maritime Environments through Adaptive Coding and Modulation under Rayleigh Fading”.

It includes simulation outputs and MATLAB source code for reproducing all figures and results in the study. Files include throughput, PER, energy efficiency, spectral efficiency, and an ACM algorithm function.

LoRaWAN Adaptive; Coding and Modulation; Rayleigh Fading; Marine IoT; Energy Efficiency
Signal to Noise Ratio